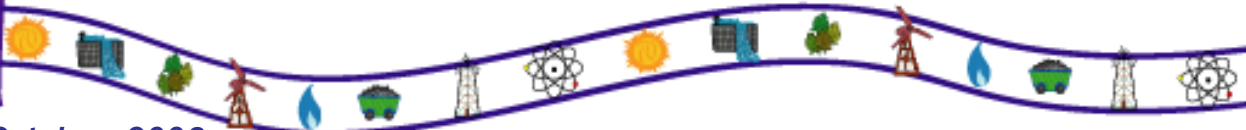




# ENERGY ANGLES

TENNESSEE ENERGY EDUCATION NETWORK  
ENERGY DIVISION--DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT



September - October, 2006

## October - 2006 - Energy Awareness Month

## Energize Your Classroom with TEEN!

October is designated as Energy Awareness Month and is a great opportunity to involve students in energy lessons, projects and other activities in their school and community. How about having an energy fair in your school, or have students set up an energy conservation display at a local business? TEEN energy education specialists, Anne Allen or Ramona Nelson, can come to your school to make classroom presentations or conduct other energy education activities. Energy Awareness Month activities can be an important part of your National Energy Education Development (NEED) project, too. Don't forget to take pictures! The 2006 theme will be announced soon, so visit the Awareness Month website at [http://www1.eere.energy.gov/femp/services/energy\\_aware.html](http://www1.eere.energy.gov/femp/services/energy_aware.html) or call the Energy Hotline at 800-342-1340.

As preparation and plans are being made for the new school year, remember to include materials and services provided by the Tennessee Energy Education Network. Various classroom materials, classroom presentations, and other assistance is offered free of charge to Tennessee teachers.

### TEEN's Materials

**Student Newspapers** on the following topics: coal, oil, natural gas, solar energy, history of energy, our energy world, and what is energy. These newspapers contain background information and activities and teachers can request one copy per student.

**Hines Photo Series:** copies of photographs taken in the 1930s before and during the construction of a TVA dam to document life prior to the dam. Included are social studies activities with each picture. Available one per teacher.

**Poster Puzzle:** A set of 8.5" x 11" puzzle pieces that fit together on a bulletin board to teach about energy conservation. Available one per teacher.

**Giant Crossword Puzzle:** This bulletin board size crossword puzzle will keep your students busy throughout the year. Clues and answers are included...Available one per teacher.

**Finger Fables:** Finger puppets and instructions for a pre-school activity. Available one per teacher.

**Experiment House:** this little house comes printed on cardstock and is ready to be cut out and assembled, complete with walls and ceilings that hold various types of insulation. These are great for students to design and conduct their own experiments, collect data, analyze data and make conclusions about the effect of insulation in a house. Available in classroom sets of thirty.

**Conservation House Table Display:** a 2'x3' house that can be assembled using the panels that attaches to foam board. Inside the rooms, students will find various ways the family is wasting energy. Red stick-on arrows can be attached to point out the places where energy efficiency is needed. Available one per teacher.

**TEEN Traveling Trunks:** traveling trunks are available free on loan and include most of the materials and supplies to teach various energy topics including sound, light, heat, electricity, motion, energy conservation, magnets and more. Available upon request for a two-week period. You are required to pay for the return postage.

TEEN energy education specialists, Anne Allen and Ramona Nelson, are available for classroom presentations, in-service workshops or other special energy presentations. We will make every effort to accommodate your requests during the school year as our schedule permits. Make plans to book your presentations early this year!

For a complete list of TEEN materials and classroom presentations, call the Energy Hotline, **800-342-1340**.



Check out TEEN's website at:  
[http://www.state.tn.us/ecd/energy\\_teen.htm](http://www.state.tn.us/ecd/energy_teen.htm)

## 26th Annual NEED Youth Awards

June 23 ~ 26, 2006

Washington, DC

The Annual NEED Youth Awards National Recognition Ceremonies recognizes outstanding energy education programs and their students. The Tennessee Energy Education Network sponsored six winning state level schools to attend the National Youth Awards Program for Energy Achievement. Huntingdon Primary School was National Primary School of the Year for the second time in a row. West Carroll Elementary School (Elementary Level) was National Elementary School Rookie Finalist. The other award winning schools attending were Mountain View Elementary School, Norman Smith Elementary School, Robert E. Lee Elementary School, and West Carroll Elementary School (Junior Level). There were 21 states represented at the ceremonies, and Tennessee had 97 students and adults (the largest group in attendance!). The program's emphasis is on NEED's "Kids Teaching Kids" approach which encourages students to reach out to their peers and communities and to teach about energy in fun and innovative ways. The highlight of this four-day program was the National Recognition Ceremonies on Monday, June 26, 2006, in the Yates Auditorium at the U.S. Department of the Interior.



### THREE STAR COMMUNITIES ENERGY EDUCATION GRANT PROGRAM



The Energy Division coordinating with the Three-Star Program will be offering a grant program for schools in Three Star Communities throughout the state. The grant will provide \$500 to support energy education activities conducted by a school. A list of 10 pre-selected activities with points awarded upon completion will be provided in the application package. A maximum of 10 points is required to be eligible for participating in the Three-Star Energy Star Program. The Three-Star Energy Star Program provides a \$1500 grant to purchase Energy Star labeled products for the school.

Applications and funds will be distributed through the designated local Three-Star contact person in each community. Each Three Star certified community will be eligible for one grant. Both of these grants are reimbursable and payment requests are due by June 30, 2007. This is a great way to fund some of your energy education activities and purchase energy efficient products for your school. For eligibility or contact information, call the Energy Hotline.





The TEEN **Energy Tour 2006**, which took place in June, provided an educational and enjoyable experience for nineteen teachers. Favorite tour stops included visits to the Buffalo Mountain Wind Power Plant, the

Crossville Coal Mine, and the Sportsman Wildlife Foundation Environmental Education Lodge on Luper Mountain near Rockwood. The teachers also learned about the history of coal mining, visited a ZEB community, found out how a new company is helping reduce emissions and save fuel during a trucker's downtime, gained knowledge about how affordable electricity is produced for the Tennessee Valley, observed how electricity production and demand is monitored from the TVA headquarters in Chattanooga, visited Tennessee's "Secret City," and much more. For more pictures from the tour, visit the TEEN website.

TEEN offers an Energy Tour every other year to Tennessee teachers. Next year, an Energy Camp for teachers will be offered. Look for details in future editions of Angles.



### NEED KITS AVAILABLE

The 2006-07 NEED Kits are available. All schools that conducted NEED Projects, and teachers participating in our 2006 Energy Bus Tour will receive complimentary copies of the new kit. If you are interested in participating in NEED or energizing your classroom with fresh ideas and energy activities request a NEED Kit by sending a check made payable to the Tennessee Energy Education Network in the amount of \$5.00 and mailed to the following address:

Department of Economic and Community Development  
Energy Division

312 8<sup>th</sup> Ave. North-10<sup>th</sup> Floor  
Nashville, TN 37243-0405

Attn: Tennessee Energy Education Network



Tennessee  
Energy  
Education Network  
**Bookmark Design Contest**  
**"Alternative Fuels"**

Tennessee  
Energy  
Education Network  
**Placemat Design Contest**  
**"Energy: You Can't Live Without It"**

**IT'S TEEN CONTEST TIME IN TENNESSEE!!**

THE ANNUAL TEEN PLACEMAT AND BOOKMARK CONTESTS ARE A GREAT WAY TO ALLOW YOUR STUDENTS TO USE THEIR CREATIVITY WHILE LEARNING ABOUT ENERGY. THE 2006 PLACEMAT DESIGN CONTEST IS OPEN TO STUDENTS IN GRADES 3-5. THE THEME FOR THE PLACEMAT CONTEST THIS YEAR IS "ENERGY: YOU CAN'T LIVE WITHOUT IT!" EACH SCHOOL CAN CONDUCT A LOCAL CONTEST AND SELECT ONE WINNER FROM EACH GRADE LEVEL TO SEND INTO THE STATE LEVEL CONTEST. THE 2006 BOOKMARK DESIGN CONTEST WILL BE A LITTLE DIFFERENT FROM PREVIOUS YEARS IN THAT STUDENTS WILL NOT BE GIVEN A SPECIFIC THEME, BUT A GENERAL TOPIC FROM WHICH THEY CAN DEVELOP THEIR OWN IDEAS. THE TOPIC FOR THIS YEAR IS ALTERNATIVE FUELS.

FOR COMPLETE INSTRUCTIONS AND ENTRY FORMS, VISIT THE TEEN WEBSITE,  
[WWW.STATE.TN.US/ECD/ENERGY\\_TEEN.HTM](http://WWW.STATE.TN.US/ECD/ENERGY_TEEN.HTM)

OR CALL THE ENERGY HOTLINE

**1-800-342-1340.**

*Energy Efficiency Improves Air Quality*

**ENERGY ANGLES**

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